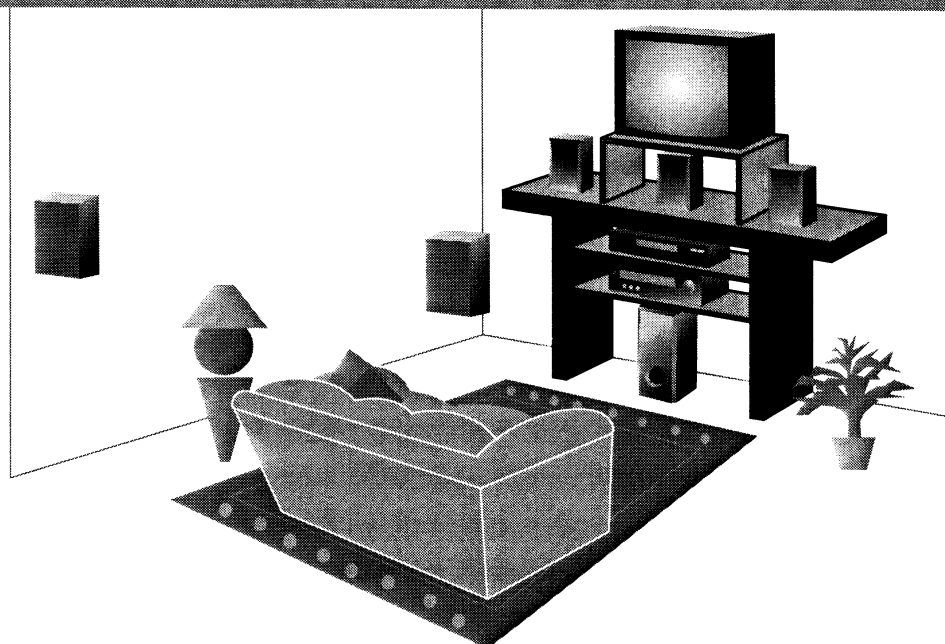




home theater

just add your TV

SURROUND SOUND SYSTEM



YHT-24
QUICK-CONNECT GUIDE

INTRODUCTION

Yamaha developed the YHT-24 A/V Home Theater package to turn your home into a theater. In addition to enhancing the sound of a video source, like your TV or VCR, the YHT-24 also superbly reproduces audio sources, such as a CD player or a cassette deck.

This Quick-Connect Guide will help you get started. Study the speaker system plan (below), and then use the interconnect diagrams (on the following pages) to connect the receiver and speakers to your system.

For the video portion, you will need a television or monitor. Please refer to the *Yamaha HTR-5440 Owner's Manual*, as well as the owner's manuals that came with your other components, for complete instructions and cautions. Be sure to turn off all power while making the connections.

Please keep this guide handy for future reference.

NOTE: Label the end of each speaker wire (i.e., left rear, right front, etc.) before connecting them to the A/V receiver. For wire runs over 30 feet, use larger 18- or 16-gauge speaker wire.

TOOLS AND PARTS

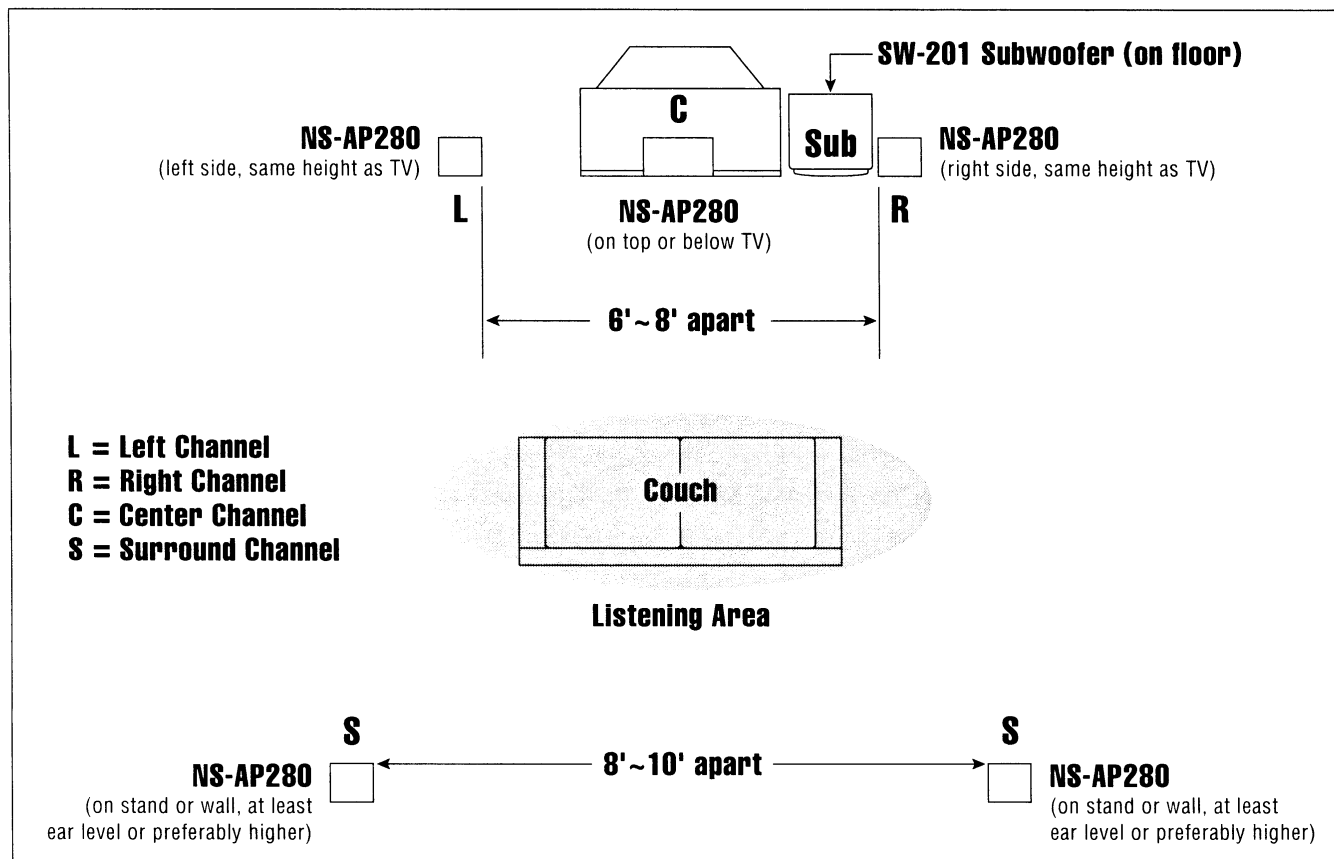
The YHT-24 Home Theater package consists of (1) HTR-5440 A/V receiver with a universal remote control, (1) DV-S5350 DVD player, (1) NS-AP280 package containing (5) 2-way NS-AP280 speakers, 100' of speaker wire, (1) SW-201 powered subwoofer, and related owner's manuals. You will also need:

- Wire strippers (optional)

- Toggle bolts, molly anchor screws, sheet metal screws, and/or speaker brackets (for securing the NS-AP280 speakers to walls)

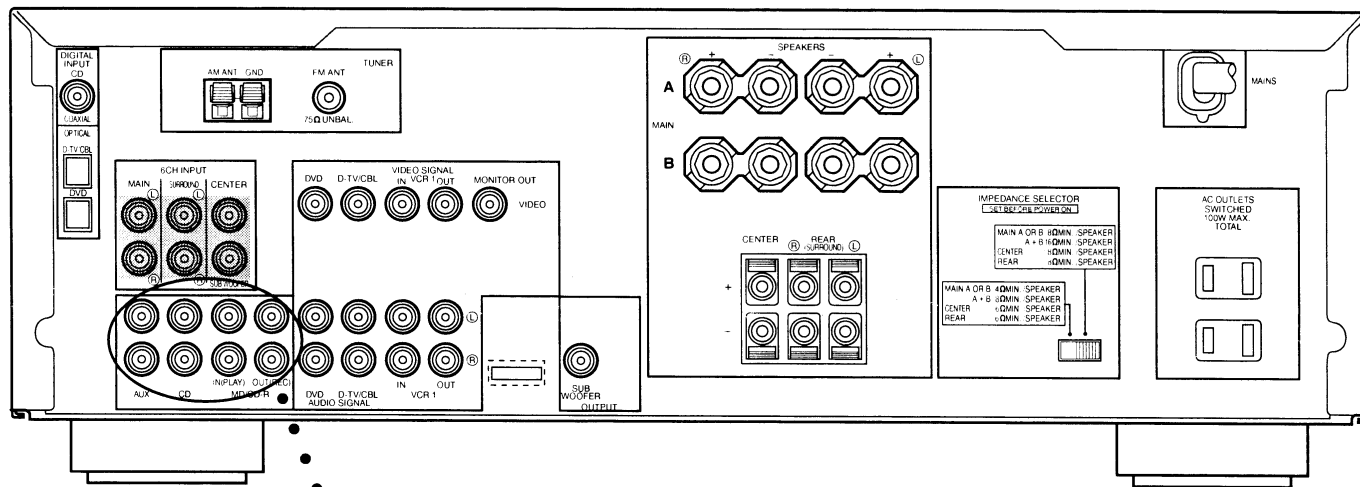
NOTE: If you are unsure of how to securely and safely fasten speakers to a wall, please contact a reliable source about the best type of hardware for your particular wall's construction. Secure installation is the purchaser's responsibility.

SPEAKER SYSTEM PLAN

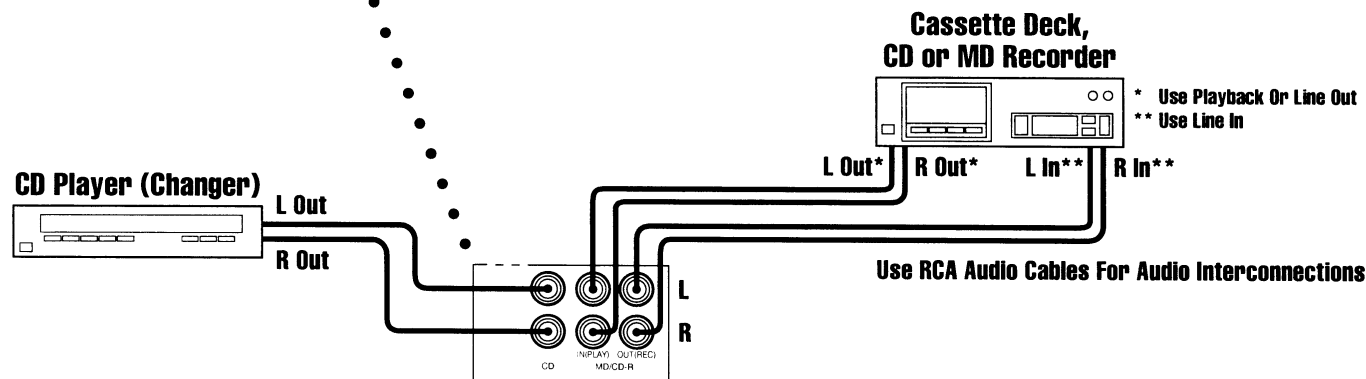


CONNECTING AUDIO COMPONENTS

Yamaha HTR-5440 Receiver (Rear Panel)



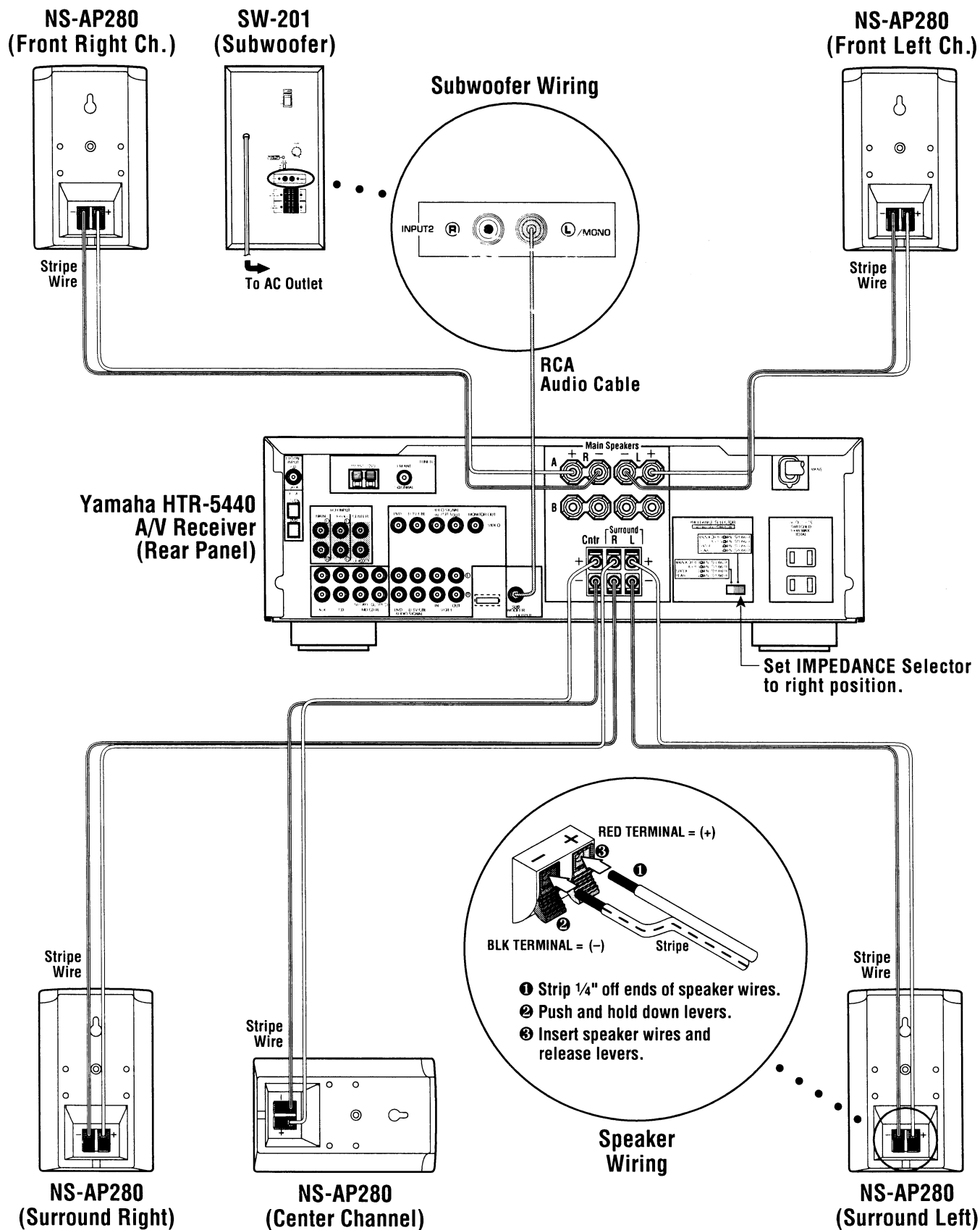
NOTE: For your convenience, the Yamaha HTR-5440 receiver is equipped with two switched ac outlets (100 W max.). If desired, use them to power on connected components (e.g., CD player) each time the receiver is turned on. However, do not use them for components equipped with clocks (e.g., VCR).



Use RCA Audio Cables For Audio Interconnections

RCA Cable Color Codes
 Yellow = Video
 White = Left Audio
 Red = Right Audio

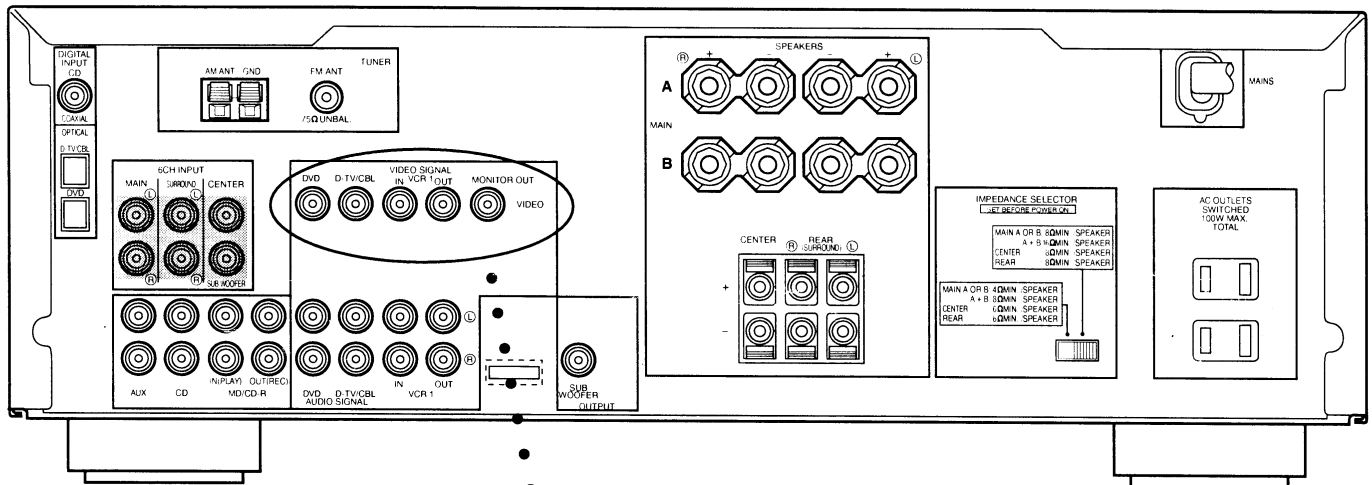
CONNECTING THE YHT-24 SPEAKERS



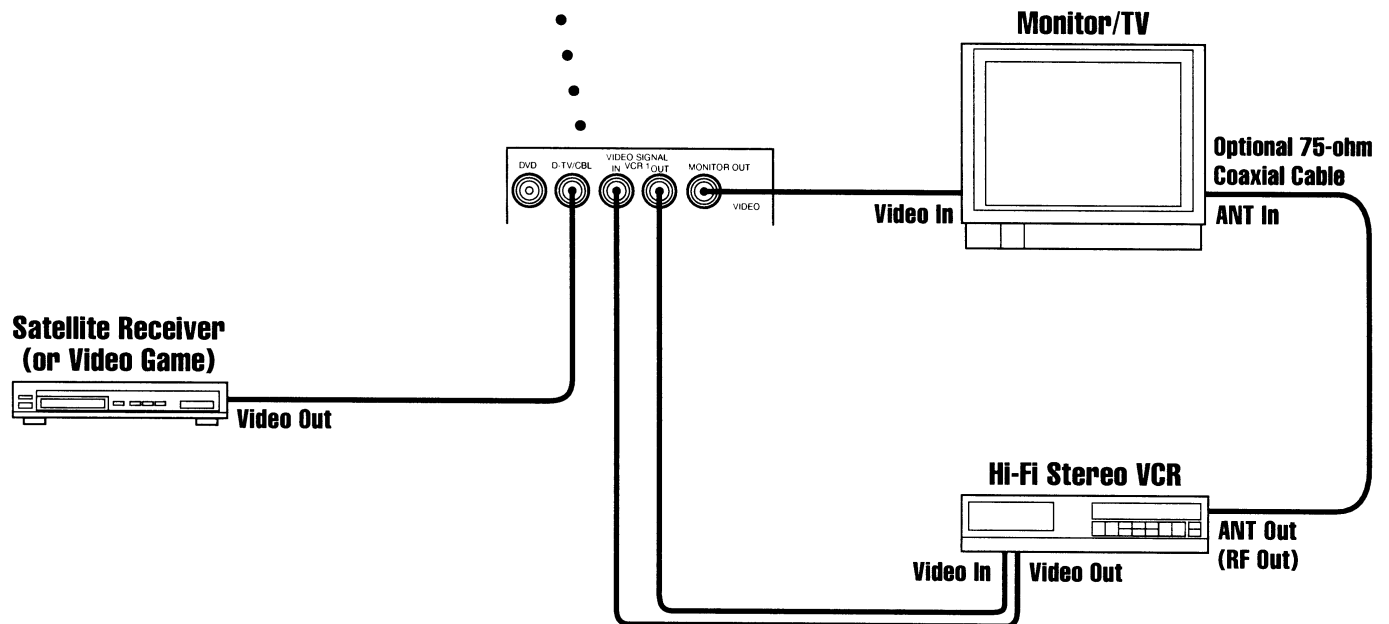
YAMAHA **YHT-24 Quick-Connect Guide**

CONNECTING VIDEO CABLES FOR VIDEO COMPONENTS

Yamaha HTR-5440 Receiver (Rear Panel)



NOTE: When using a hi-fi stereo VCR, set the Tuner/Line switch (on the VCR) to Line position to record from another source connected to the Yamaha HTR-5440 receiver.

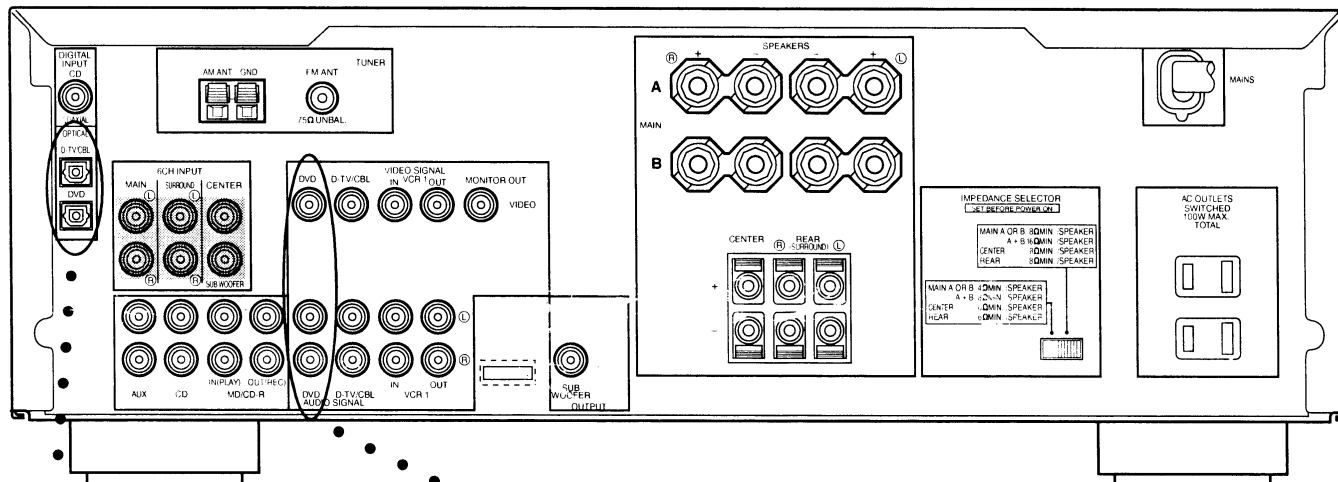


RCA Cable Color Codes
 Yellow = Video
 White = Left Audio
 Red = Right Audio

Use RCA Video Cables And Jacks For Video Interconnections

CONNECTING THE YAMAHA DV-S5350 DVD PLAYER

Yamaha HTR-5440 Receiver (Rear Panel)

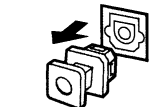


Use the Included RCA Cables for Analog and Video Connections Between the DVD Player and Receiver.

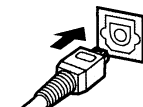
Analog Out*

NOTE: Use the optical connection to enjoy 5.1-channel surround sound found on DVDs recorded in the Dolby Digital or DTS Digital Surround format.

Connecting Optical Cable



① Remove dust cap.



② Align plug with terminal and insert cable.

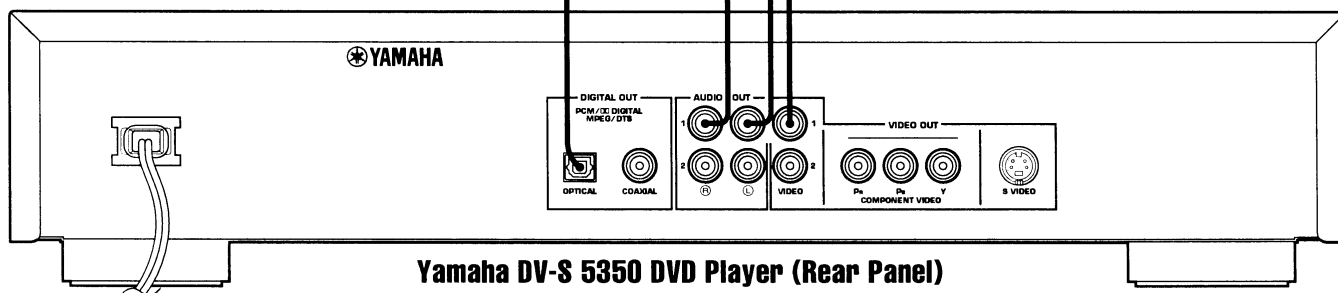
NOTES:

- On both ends of the optical cable, align and firmly insert each plug into its mating terminal.
- During connection, do not bend the optical cable.
- Keep dust caps and reattach them if terminals are not used.

Optical Cable (Included)

RCA Cable Color Codes

Yellow = Video
White = Left Audio
Red = Right Audio



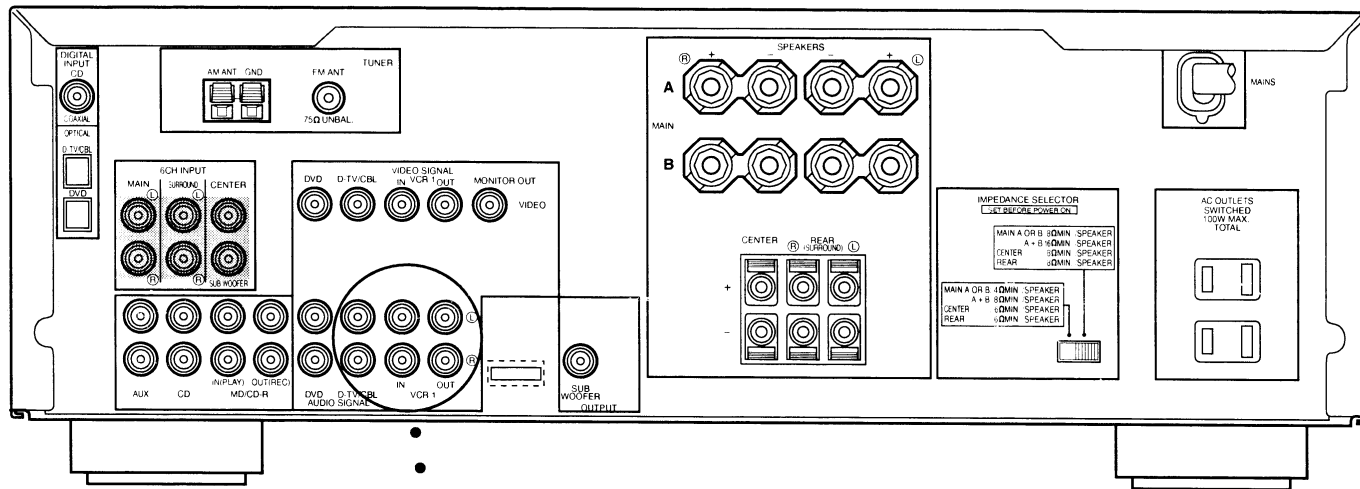
Yamaha DV-S 5350 DVD Player (Rear Panel)

*Analog Audio Out connections are required for playback of CD-Rs and recording from DVD to VCR.

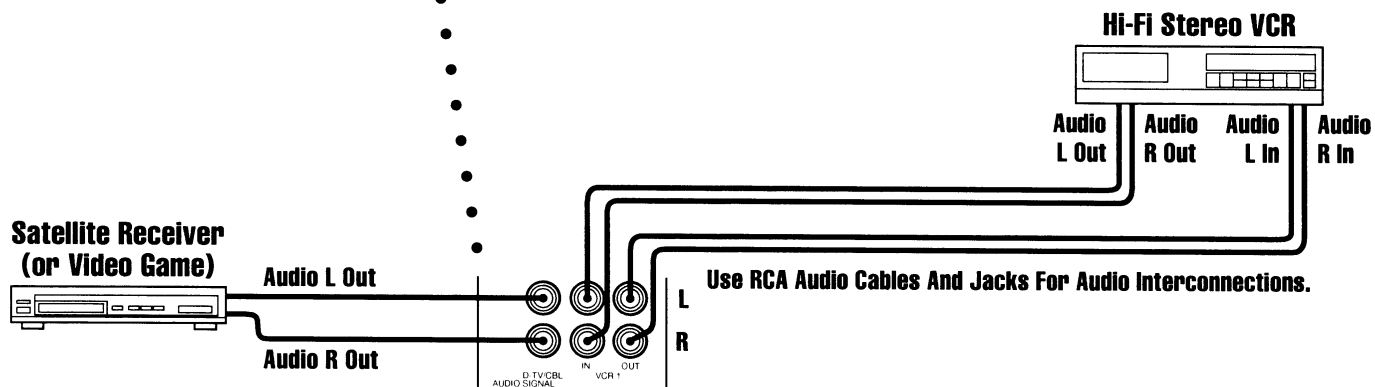
Dolby Digital is a trademark of Dolby Laboratories Licensing Corporation.
DTS is a trademark of DTS Technology LLC.

CONNECTING AUDIO CABLES FOR VIDEO COMPONENTS

Yamaha HTR-5440 Receiver (Rear Panel)



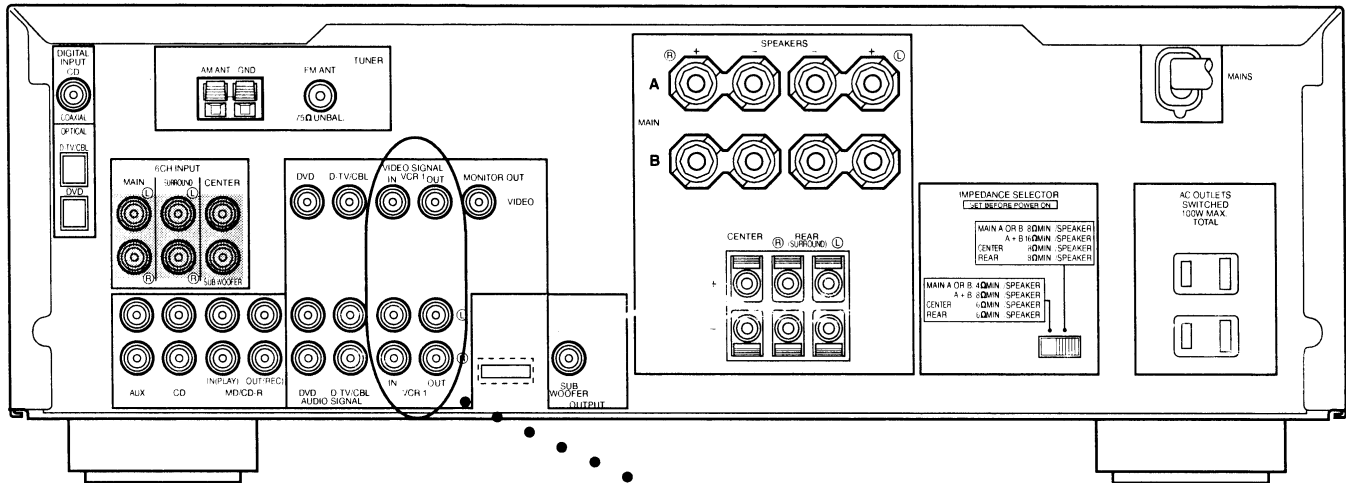
NOTE: When using a hi-fi stereo VCR, set the Tuner/Line switch (on the VCR) to Line position to record from another source connected to the Yamaha HTR-5440 receiver.



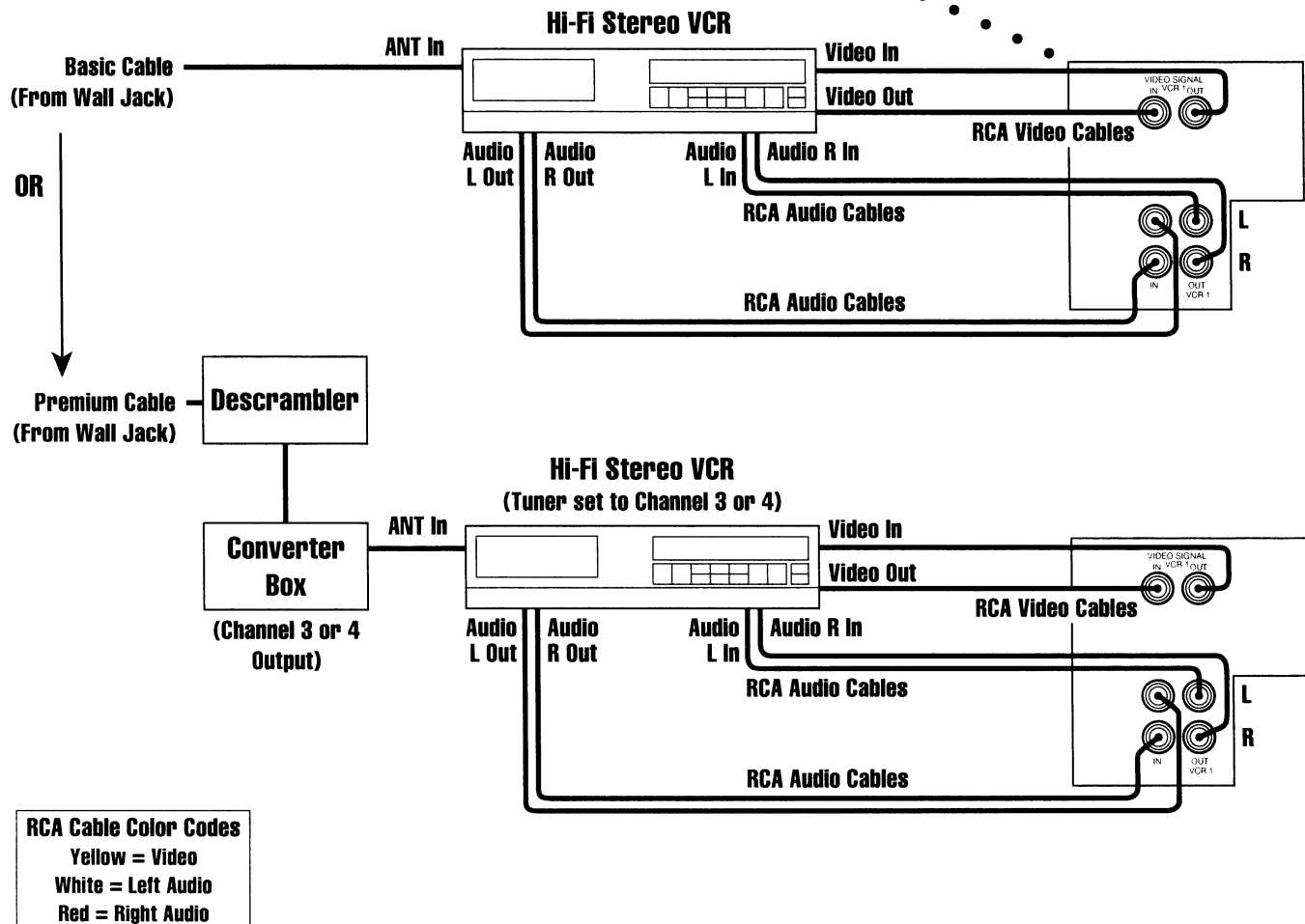
RCA Cable Color Codes
 Yellow = Video
 White = Left Audio
 Red = Right Audio

CABLE HOOK-UP (BASIC AND PREMIUM CHANNELS)

Yamaha HTR-5440 Receiver (Rear Panel)



NOTE: When using a hi-fi stereo VCR, set the Tuner/Line switch (on the VCR) to Line position to record from another source connected to the Yamaha HTR-5440 receiver.



INITIAL ADJUSTMENT OF THE SW-201 SUBWOOFER

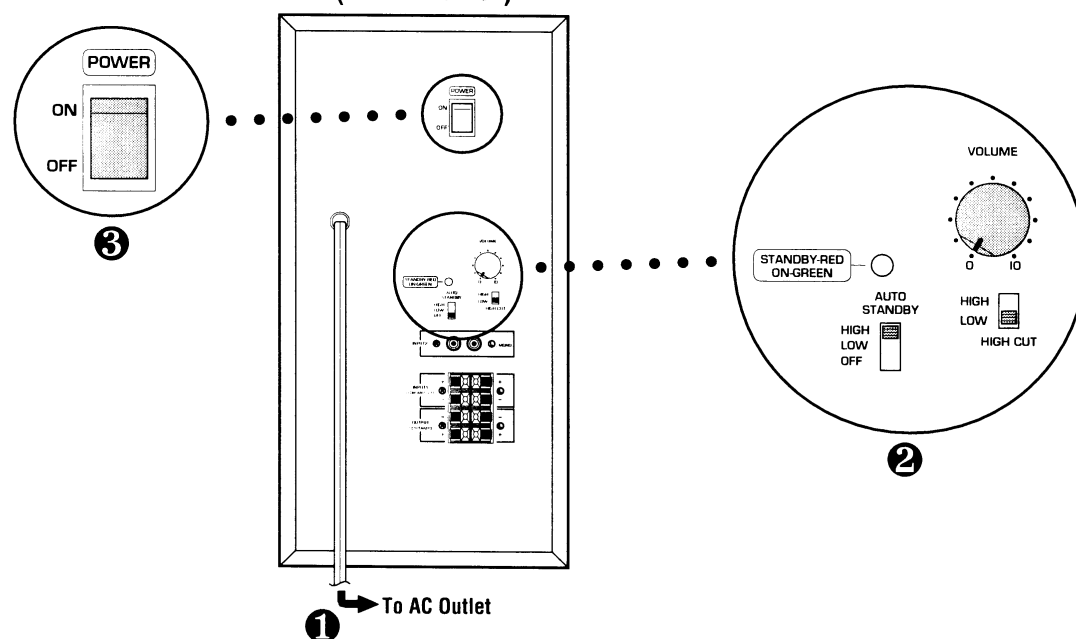
To achieve the optimum volume balance between the SW-201 Subwoofer and the NS-AP280 Main Speakers, perform the following procedure:

1. Insert the SW-201's power plug into a nearby ac outlet.
2. Set the SW-201's VOLUME control to 0 (minimum setting), the AUTO STANDBY switch to HIGH, and the HIGH CUT switch to LOW.
3. Press the SW-201's POWER switch to ON and power on all other components.

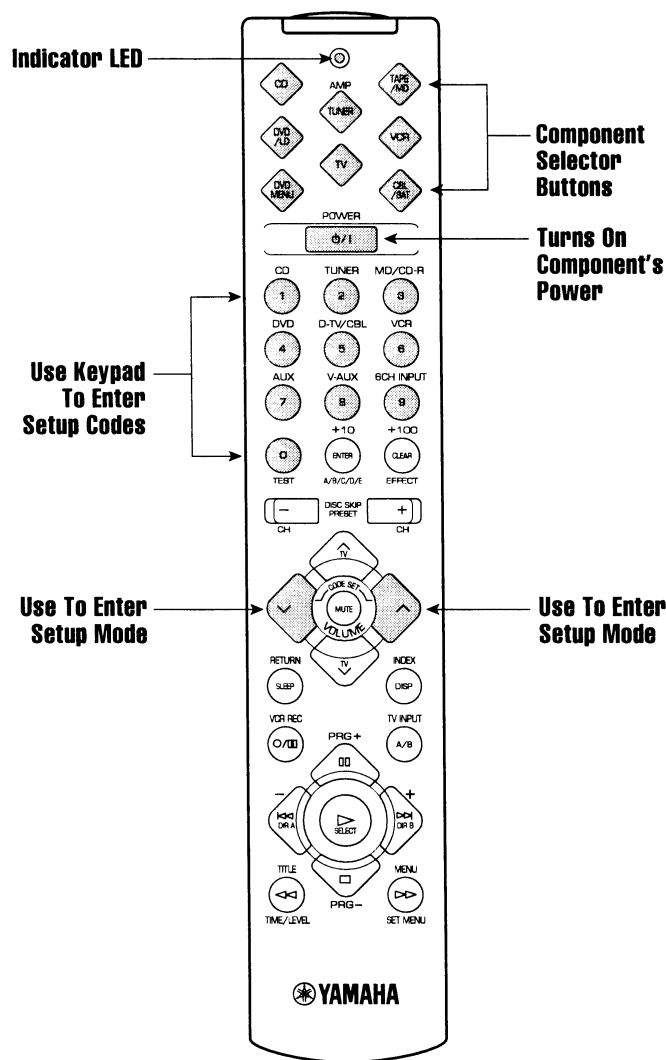
4. Play an audio source and adjust the HTR-5440's VOLUME control to a desired listening level.
5. On the SW-201, increase the volume gradually to adjust the balance the volume between the SW-201 Subwoofer and the NS-AP280 Main Speakers.

NOTE: Once the volume is balanced between the subwoofer and the main speakers, you can adjust the volume of your whole sound system by using the HTR-5440's VOLUME control.

SW-201 Subwoofer (Rear Panel)



PROGRAMMING THE UNIVERSAL REMOTE CONTROL



The YHT-24 Home Theater package includes a universal pre-programmed remote control with factory codes to control your HTR-5440 receiver and most Yamaha audio components. To program other brands of components (i.e., TV, VCR, etc.) or if your Yamaha unit does not respond, you will need to program the remote control with the manufacturer's codes (listed on the back pages of the *HTR-5440 Owner's Manual*).

NOTE: This remote control is designed to control most major brands of audio and video components. For other units, use the original remote control supplied with the product.

Power On

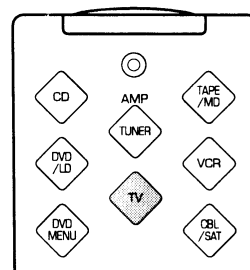
1. Load the supplied batteries into the remote control.
2. Aim the remote control at the HTR-5440, press AMP/TUNER, and then press POWER.
3. The receiver should turn on.

SETTING UP COMPONENTS

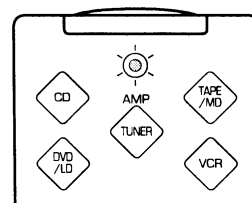
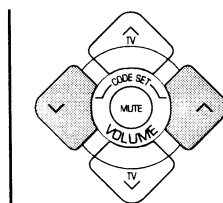
Perform the procedure for each component you own. At the end of each step 5, the remote control's processor will automatically assign the selected component's control functions to its own buttons, ready for your use.

SETTING UP YOUR TV

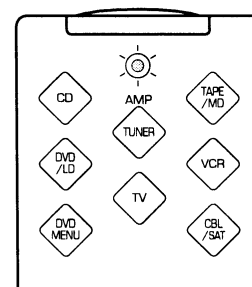
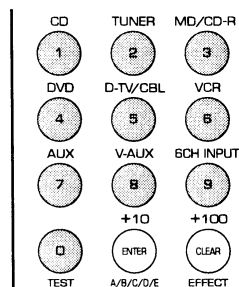
1. Turn on the television set and look up a setup code for your brand of television (codes are located at the back of the *HTR-5440 Owner's Manual*).
2. On the remote control, press TV



3. Press and hold both VOLUME buttons at least four seconds until the indicator LED flashes twice.



4. Using the keypad, enter the four-digit setup code. The indicator LED will flash twice after your entry. If the LED did not flash twice, repeat steps 3 and 4.

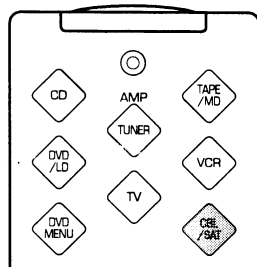


5. To verify the code works, aim the remote control at the television set, press TV, and then press POWER. The television set should turn off. If it doesn't respond, use another code for the same manufacturer and repeat steps 3 through 5.

PROGRAMMING THE UNIVERSAL REMOTE CONTROL (CONTINUED)

SETTING UP YOUR CABLE BOX (OR DSS)

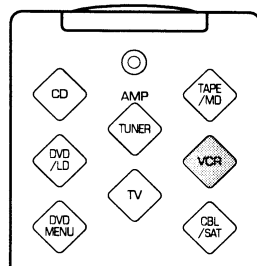
1. Turn on the cable box (or DSS) and look up a setup code for your brand of cable box (or DSS) (codes are located at the back of the *HTR-5440 Owner's Manual*).
2. On the remote control, press CBL/SAT.



3. Press and hold both VOLUME buttons at least four seconds until the indicator LED flashes twice.
4. Using the keypad, enter the four-digit setup code. The indicator LED will flash twice after your entry. If the LED did not flash twice, repeat steps 3 and 4.
5. To verify the code works, aim the remote control at the cable box (or DSS), press CBL/SAT, and then press POWER. The unit should turn off. If it doesn't respond, use another code for the same manufacturer and repeat steps 3 through 5.

SETTING UP YOUR VCR

1. Turn on the VCR and look up a setup code for your brand of VCR.
2. On the remote control, press VCR.



3. Press and hold both VOLUME buttons at least four seconds until the indicator LED flashes twice.
4. Using the keypad, enter the four-digit setup code. The indicator LED will flash twice after your entry. If the LED did not flash twice, repeat steps 3 and 4.
5. To verify the code works, aim the remote control at the VCR, press VCR, and then press POWER. The VCR should turn off. If it doesn't respond, use another code for the same manufacturer and repeat steps 3 through 5.

SETTING UP OTHER COMPONENTS

1. Turn on the component (e.g., CD player, tape deck, or MD player) and look up a setup code for your brand of component.
2. On the remote control, press the desired component button (e.g., CD or TAPE/MD).
3. Press and hold both VOLUME buttons at least four seconds until the indicator LED flashes twice.
4. Using the keypad, enter the four-digit setup code. The indicator LED will flash twice after your entry. If the LED did not flash twice, repeat steps 3 and 4.
5. To verify the code works, aim the remote control at the component, press the appropriate component button, and then press POWER. The unit should turn off. If it doesn't respond, use another code for the same manufacturer and repeat steps 3 through 5.

OPERATING THE UNIVERSAL REMOTE CONTROL

OVERVIEW

The universal remote control will control up to seven different types of components (including the HTR-5440 receiver), each of which becomes active when you press a selection (e.g., TV, VCR, etc.). We can only briefly describe some functions here, and we encourage you use the *HTR-5440 Owner's Manual* to gain additional experience with this powerful unit.

PLAYING A VIDEOCASSETTE

1. Aim the remote control at the HTR-5440, press AMP/TUNER to select the component, and then press POWER to turn the receiver on. Press VCR (i.e., 6 on the keypad) as the input for the receiver.
2. Aim the remote control at the TV, press the TV to select the component, and then press POWER to turn the television on. Press TV INPUT (or A/B) to select the correct input.
3. Aim the remote control at the VCR, press VCR to select the component, and then press POWER to turn the VCR on. Put a tape in the VCR, press PLAY.

NOTE: At this point, the VCR controls are assigned to the remote control, since VCR was the last selected component. If you now press the VOLUME up (down) buttons, the TV/VCR volume will be raised (or lowered). To adjust the receiver's volume, you must press AMP/TUNER to activate its functions.

PLAYING A DVD

1. Aim the remote control at the HTR-5440, press AMP/TUNER to select the component, and then press POWER to turn the receiver on. Press DVD/LD (i.e., 4 on the keypad) as the input for the receiver.
2. Press DVD/LD and then press POWER to turn the DVD (or LD) player on.

NOTE: If the DVD player is plugged into the switched ac outlet (on the back of the receiver) and its power switch was already engaged, the unit will come on each time the receiver is powered on.

3. Load a DVD (or LD) into the DVD (or LD) player.
4. Aim the remote control at the DVD (or LD) player, and press > (forward button) to start play.

NOTE: The DVD player's controls are now assigned to the remote control buttons, since DVD was the last selected component.

RESETTING THE REMOTE CONTROL TO FACTORY CODES

You can reset the remote control to factory codes for all components or a desired component, as follows:

RESETTING CODES FOR ALL COMPONENTS

1. Press any component selector button other than AMP/TUNER.
2. Press and hold both VOLUME buttons at least four seconds until the indicator LED flashes twice.
3. Using the keypad, enter the code "9990".
4. The indicator LED will flash twice to confirm all codes have been reset to factory values. If the LED does not flash twice, repeat steps 1 through 3.

RESETTING CODES FOR A DESIRED COMPONENT

1. Press a component selector button that matches the component you wish to reset to factory codes.
2. Press and hold both VOLUME buttons at least four seconds until the indicator LED flashes twice.
3. Using the keypad, enter the code "0000".
4. The indicator LED will flash twice to confirm all codes have been reset to factory values. If the LED does not flash twice, repeat steps 1 through 3.
5. For your convenience, the following reference chart lists the factory codes:

Component Selector Button	Component	Code
TV	TV	0101
CBL/SAT	Cable TV	0006
VCR	VCR	0002
DVD/LD	DVD player	0008 Yamaha
CD	CD player	0005 Yamaha
TAPE/MD	MD recorder	0024 Yamaha



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